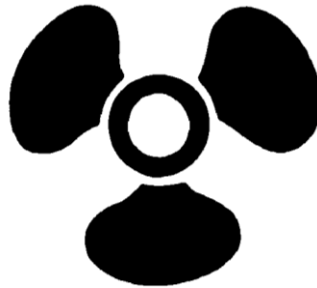


CHAPTER 51



MACHINIST'S MATE (MM)

NAVPERS 18068-51G

CH-64

Updated: October 2015

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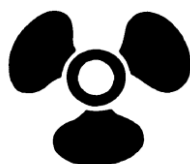
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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MACHINIST'S MATE (WEAPONS) MM(W)



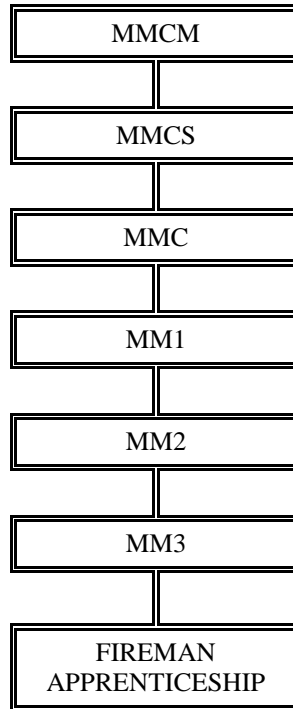
SCOPE OF RATING

Machinist's Mates (Weapons) (MMW) perform organizational and intermediate level maintenance on test equipment, launching/firing systems, and stowage facilities associated with underwater ordnance, to include hydraulic systems, air systems, and seawater systems associated with launching/firing systems; perform organizational maintenance on underwater ordnance, small arms, and ammunition; prepare underwater ordnance for launching to include conducting post fire and post run routines; and perform operations and organizational maintenance on submarine anchoring systems.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 51.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title**Tactical Weapons Operator****Job Code****001537****Job Family**

Military Specific

NOC

TBD

Short Title (30 Characters)

TACTICAL WEAPONS OPERATOR

Short Title (14 Characters)

TACT WEP OPER

Pay Plan

Enlisted

Career Field

MMW

Other Relationships and Rules

NECs 4233, 4235, 4247

Job Description

Tactical Weapons Operators perform operations and basic-level maintenance of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS), and countermeasure systems; participate in weapons handling evolutions; support the processing and attack of targets; provide munitions to weapon systems and security for operational forces; and repair and maintain weapons system equipment.

DoD Relationship**Group Title**

Torpedo Repair

DoD Code

112300

O*NET Relationship**Occupation Title**

Military Enlisted Tactical Operations
and Air/Weapons Specialists and
Crew Members, All Others

SOC Code

55-3019.00

Job Family

Military Specific

Skills*Operation and Control**Operation Monitoring**Equipment Maintenance**Management of Material Resources**Quality Control Analysis**Systems Evaluation**Reading Comprehension**Speaking**Writing**Active Listening***Abilities***Written Comprehension**Problem Sensitivity**Manual Dexterity**Finger Dexterity**Multi-limb Coordination**Oral Comprehension**Fluency of Ideas**Speed of Closure**Written Expression**Control Precision***ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)****Paygrade****Task Type****Task Statements**

E4

CORE

Inspect Arms, Ammunition, and Explosives (AA&E)

E4

CORE

Inventory Arms, Ammunition, and Explosives (AA&E)

E4

CORE

Maintain magazines and lockers

E4

CORE

Maintain security force equipment

E4

CORE

Maintain small arms and crew served weapons

E4

CORE

Perform ammunition and countermeasure transfers

E4

CORE

Repair magazines and lockers

E4

CORE

Test Arms, Ammunition, and Explosives (AA&E)

DAMAGE CONTROL**Paygrade****Task Type****Task Statements**

E4

CORE

Combat torpedo room casualties

E4

CORE

Combat weapons casualties

ORDNANCE MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Handle submarine ordnance
E4	CORE	Launch submarine ordnance
E4	CORE	Maintain submarine launched ordnance
E4	CORE	Operate general purpose electronic test equipment
E4	CORE	Test Torpedo Tube Launched (TTL) tomahawk cruise missiles
E4	CORE	Test Vertical Launch System (VLS) tomahawk cruise missiles

SIGNAL EJECTOR SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust countermeasure launcher systems
E4	CORE	Maintain countermeasure launcher systems
E4	NON-CORE	Operate internal auxiliary launcher in all modes
E4	CORE	Operate internal countermeasure launcher in all modes
E4	CORE	Test countermeasure launcher systems

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Coordinate tube draining operations
E4	CORE	Inspect seals, gaskets, and O-rings
E5	CORE	Inspect tanks and voids
E4	CORE	Maintain air system components
E4	CORE	Maintain anchor systems
E4	CORE	Maintain shipboard valves
E4	CORE	Operate air system components
E4	CORE	Operate anchor system
E4	CORE	Operate hydraulic system components
E4	CORE	Operate manually controlled valves
E4	CORE	Operate weapons monitoring equipment
E4	CORE	Replace seals, gaskets, and O-rings

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) records
E5	CORE	Maintain torpedo and missile record books
E4	CORE	Maintain weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Maintain weapons delivery systems
E4	CORE	Operate nitrogen systems
E4	CORE	Operate weapons delivery systems

VERTICAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Maintain Vertical Launch Systems (VLS)
E4	CORE	Operate Vertical Launch Systems (VLS)
E6	CORE	Perform Vertical Launch System (VLS) evolutions

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Clean weapons handling systems
E4	CORE	Clean weapons shipping systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons shipping systems
E4	CORE	Operate weapons handling systems
E4	CORE	Operate weapons shipping systems
E4	CORE	Perform rigging operations
E4	CORE	Perform weapons delivery system evolutions
E4	CORE	Perform weapons handling evolutions
E4	CORE	Perform weapons shipping evolutions

Job Title**Tactical Weapons Manager****Job Code****001542****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

TACTICAL WEAPONS MANAGER

Short Title (14 Characters)

TACT WEP MGR

Pay Plan

Enlisted

Career Field

MMW

Other Relationships and Rules

NECs 0812, 0814, 4233, 4235, 4236, 4247

Job Description

Tactical Weapons Managers manage the operations of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS), and countermeasure systems; supervise the employment of weapons systems and weapons handling evolutions; coordinate communications; and oversee divisional and departmental operations, maintenance, and training.

DoD Relationship**Group Title**

Torpedo Repair

DoD Code

112300

O*NET Relationship**Occupation Title**First-Line Supervisors/Managers of
Production and Operating Workers**SOC Code**

51-1011.00

Job Family

Production

Skills*Management of Personnel Resources**Management of Material Resources**Coordination**Reading Comprehension**Writing**Operation and Control**Complex Problem Solving**Critical Thinking**Instructing**Monitoring***Abilities***Problem Sensitivity**Information Ordering**Written Comprehension**Inductive Reasoning**Selective Attention**Visualization**Oral Expression**Written Expression**Fluency of Ideas**Speech Clarity***ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)****Paygrade**

E5

Task Type

CORE

Task Statements

Conduct force protection training

E5

CORE

Conduct small arms range

E6

CORE

Manage ammunition and countermeasure transfers

DAMAGE CONTROL**Paygrade**

E6

Task Type

CORE

Task Statements

Direct torpedo room casualty procedures

E5

CORE

Direct weapons casualty procedures

E6

CORE

Manage weapons casualty procedures

QUALITY ASSURANCE**Paygrade**

E7

Task Type

CORE

Task Statements

Audit Quality Assurance (QA) packages

E5

CORE

Create Quality Assurance (QA) packages

E6

CORE

Review Quality Assurance (QA) packages

E5

CORE

Supervise Quality Assurance (QA) testing

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Coordinate tube draining operations
E5	CORE	Direct weapons monitoring equipment operations

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Audit Arms, Ammunition, and Explosives (AA&E) records
E6	CORE	Audit weight test and calibration records
E6	CORE	Coordinate departmental maintenance
E5	CORE	Coordinate divisional maintenance
E6	CORE	Coordinate equipment alterations and modifications
E7	CORE	Maintain ordnance handling certification records
E7	CORE	Manage Arms, Ammunition, and Explosives (AA&E) records
E6	CORE	Review torpedo and missile record books
E5	CORE	Review weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct weapons delivery systems evolutions
E7	CORE	Supervise weapons delivery system operations

VERTICAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct Vertical Launch System (VLS) evolutions
E7	CORE	Supervise Vertical Launch System (VLS) operations

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Direct rigging operations
E5	CORE	Direct weapons handling operations
E5	CORE	Direct weapons shipping operations
E7	CORE	Supervise weapons shipping operations
E7	CORE	Supervise weapons handling operations

Job Title**Tactical Weapons Technician****Job Code****001547****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

TACTICAL WEAPONS TECHNICIAN

Short Title (14 Characters)

TACT WEP TECH

Pay Plan

Enlisted

Career Field

MMW

Other Relationships and Rules

NECs 0812, 0814, 4233, 4235, 4236, 4247

Job Description

Tactical Weapons Technicians perform organizational maintenance, intermediate maintenance, and advanced systems operations of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS), and countermeasure systems; supervise divisional operations, maintenance, and training; supervise and participate in weapons handling evolutions; support the processing and attack of targets; provide munitions to weapon systems and security for operational forces; and repair and maintain weapons system equipment.

DoD Relationship**Group Title**

Torpedo Repair

DoD Code

112300

O*NET Relationship**Occupation Title**

Control and Valve Installers and Repairers, Except Mechanical

SOC Code

49-9012.00

Job Family

Installation, Maintenance, and Repair

Skills*Operation and Control**Operation Monitoring**Equipment Maintenance**Management of Material Resources**Reading Comprehension**Quality Control Analysis**Systems Evaluation**Writing**Speaking**Active Listening***Abilities***Written Comprehension**Problem Sensitivity**Manual Dexterity**Finger Dexterity**Multi-limb Coordination**Control Precision**Written Expression**Oral Comprehension**Fluency of Ideas**Selective Attention***ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)****Paygrade****Task Type****Task Statements**

E5

CORE

Conduct force protection training

E5

CORE

Conduct small arms range

E4

CORE

Inspect Arms, Ammunition, and Explosives (AA&E)

E4

CORE

Inventory Arms, Ammunition, and Explosives (AA&E)

E4

CORE

Maintain magazines and lockers

E4

CORE

Maintain security force equipment

E4

CORE

Maintain small arms and crew served weapons

E4

CORE

Perform ammunition and countermeasure transfers

E4

CORE

Repair magazines and lockers

E4

CORE

Test Arms, Ammunition, and Explosives (AA&E)

DAMAGE CONTROL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Combat torpedo room casualties
E4	CORE	Combat weapons casualties

ORDNANCE MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct receipt or transfer inspections
E4	CORE	Handle submarine ordnance
E4	CORE	Launch submarine ordnance
E4	CORE	Maintain submarine launched ordnance
E4	CORE	Operate general purpose electronic test equipment
E4	CORE	Test Torpedo Tube Launched (TTL) tomahawk cruise missiles
E4	CORE	Test torpedoes
E4	CORE	Test Vertical Launch System (VLS) tomahawk cruise missiles

QUALITY ASSURANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Create Quality Assurance (QA) packages
E4	CORE	Perform Quality Assurance (QA) testing

SIGNAL EJECTOR SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust countermeasure launcher systems
E4	CORE	Maintain countermeasure launcher systems
E4	NON-CORE	Operate internal auxiliary launcher in all modes
E4	CORE	Operate internal countermeasure launcher in all modes
E4	CORE	Repair countermeasure launcher systems
E4	CORE	Test countermeasure launcher systems

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Coordinate tube draining operations
E4	CORE	Inspect seals, gaskets, and O-rings
E5	CORE	Inspect tanks and voids
E4	CORE	Maintain air system components
E4	CORE	Maintain anchor systems
E5	CORE	Maintain hydraulic system components
E4	CORE	Maintain shipboard valves
E4	CORE	Operate air system components
E4	CORE	Operate anchor system
E4	CORE	Operate hydraulic system components

E4	CORE	Operate manually controlled valves
E4	CORE	Operate weapons monitoring equipment
E4	CORE	Repair air system components
E4	CORE	Repair anchor systems
E4	CORE	Repair hydraulic system components
E4	CORE	Repair shipboard valves
E4	CORE	Replace seals, gaskets, and O-rings

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Audit Arms, Ammunition, and Explosives (AA&E) records
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) records
E7	CORE	Maintain ordnance handling certification records
E5	CORE	Maintain torpedo and missile record books
E4	CORE	Maintain weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct corrective maintenance on weapons delivery systems
E4	CORE	Maintain weapons delivery systems
E4	CORE	Operate nitrogen systems
E4	CORE	Operate weapons delivery systems

VERTICAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct corrective maintenance on Vertical Launch Systems (VLS)
E4	CORE	Maintain Vertical Launch Systems (VLS)
E4	CORE	Operate Vertical Launch Systems (VLS)
E6	CORE	Perform Vertical Launch System (VLS) evolutions

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Adjust weapons handling systems
E5	CORE	Adjust weapons shipping systems
E4	CORE	Clean weapons handling systems
E4	CORE	Clean weapons shipping systems
E4	CORE	Conduct corrective maintenance on weapons handling systems
E4	CORE	Conduct corrective maintenance on weapons shipping systems
E5	CORE	Direct rigging operations

E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons shipping systems
E4	CORE	Operate weapons handling systems
E4	CORE	Operate weapons shipping systems
E4	CORE	Perform rigging operations
E4	CORE	Perform weapons delivery system evolutions
E4	CORE	Perform weapons handling evolutions
E4	CORE	Perform weapons shipping evolutions